

GP1632

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
10857Z

In Re Application Of: **Douglas James Hilton, et al.**

Serial No.  
09/037,657

Filing Date  
March 10, 1998

Examiner

F. Hamud

Group Art Unit

1646

Title: **A NOVEL HAEMOPOIETIN RECEPTOR AND GENETIC SEQUENCES ENCODING SAME**

Address to:  
Assistant Commissioner for Patents  
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**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
  2. a Notice of Allowance under 37 CFR 1.311,
- whichever occurs first.

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Also submitted herewith is:

- ☐ a certification as specified in 37 CFR 1.97(e);

OR

- ☐ the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

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**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

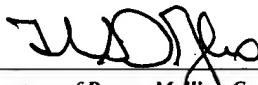
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Dated: June 10, 1998

Frank S. DiGiglio  
Registration No. 31,346

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(516) 742-4343

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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicants:** Douglas James Hilton, **Docket:** 10857Z  
et al.

**Serial No.:** 09/037,657 **Dated:** June 10, 1998

**Filed:** March 10, 1998

**For:** A NOVEL HAEMOPOIETIN  
RECEPTOR AND GENETIC  
SEQUENCES ENCODING  
SAME

Assistant Commissioner for Patents  
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§1.97 and 1.98, it is requested that the following disclosures, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

Baumann, et al. (October 25, 1991) "Interleukin-11 Regulates the Hepatic Expression of the Same Plasma Protein Genes as Interleukin-6", The Journal of Biological Chemistry 266(30):20424-20427.

Bazan (September 1990) "Structural Design and Molecular Evolution of a Cytokine Receptor Superfamily", Proc. Natl. Acad. Sci. USA 87:6934-6938.

Burstein, et al. (1992) "Leukemia Inhibitory Factor and Interleukin-11 Promote Maturation of Murine and Human Megakaryocytes In Vitro", Journal of Cellular Physiology 153:305-312.

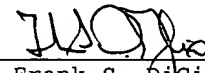
Cwirla, et al. (June 13, 1997) "Peptide Agonist of the Thrombopoietin Receptor as Potent as the Natural Cytokine", Science 276:1696-1699.

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on June 10, 1998.

Dated: June 10, 1998

  
Frank S. DiGiglio

Davis, et al. (December 27, 1996) "Isolation of Angiopoietin-1, a Ligand for the TIE2 Receptor, by Secretion-Trap Expression Cloning", Cell **87**:1161-1169.

De Vos, et al. (January 17, 1992) "Human Growth Hormone and Extracellular Domain of its Receptor: Crystal Structure of the Complex", Science **255**:306-312.

Du, et al. (April 15, 1994) "Interleukin-11: A Multifunctional Growth Factor Derived From the Hematopoietic Microenvironment", Blood **83**(8):2023-2030.

Gearing, et al. (July 12, 1991) "Homology of the p40 Subunit of Natural Killer Cell Stimulatory Factor (NKSF) with the Extracellular Domain of the Interleukin-6 Receptor", Cell **66**:9-10.

Hangoc, et al. (February 15, 1993) "In Vivo Effects of Recombinant Interleukin-11 on Myelopoiesis in Mice", Blood **81**(4):965-972.

Hirata, et al. (1994) "ADP Ribosyl Cyclase Activity of a Novel Bone Marrow Stromal Cell Surface Molecule", FEBS Letters **356**:244-248.

Kawashima, et al. (1991) "Molecular Cloning of cDNA Encoding Adipogenesis Inhibitory Factor and Identity with Interleukin-11", FEBS Letters **283**(2):199-202.

Keller, et al. (September 1, 1993) "Interleukin-11 Inhibits Adipogenesis and Stimulates Myelopoiesis in Human Long-Term Marrow Cultures", Blood **82**(5):1428-1435.

Layton, et al. (September 1992) "A Major Binding Protein for Leukemia Inhibitory Factor in Normal Mouse Serum: Identification as a Soluble Form of a Cellular Receptor", Proc. Natl. Acad. Sci. USA **89**:8616-8620.

Livnah, et al. (July 26, 1996) "Functional Mimicry of a Protein Hormone by a Peptide Agonist: The EPO Receptor Complex at 2.8 Å", Science **273**:464-471.

Merberg, et al. (1992) "Sequence Similarity Between NKSF and the IL-6/G-CSF Family", Immunology Today **13**(2):77-78.

Mizushima, et al. (1990) "pEF-BOS, a Powerful Mammalian Expression Vector", Nucl. Acids Research **18**(17):5322.

Musashi, et al. (September 15, 1991) "Synergistic Interactions Between Interleukin-11 and Interleukin-4 in Support of Proliferation of Primitive Hematopoietic Progenitors of Mice", Blood **78**(6):1448-1451.

Paul, et al. (October 1990) "Molecular Cloning of a cDNA Encoding Interleukin 11, a Stromal Cell-Derived

Lymphopoietic and Hematopoietic Cytokine", Proc. Natl. Acad. Sci. USA 87:7512-7516.

Schibler, et al. (August 15, 1992) "Effect of Interleukin-11 on Cycling Status and Clonogenic Maturation of Fetal and Adult Hematopoietic Progenitors", Blood 80(4):900-903.

Suri, et al. (December 27, 1996) "Requisite Role of Angiopoietin-1, a Ligand for the TIE2 Receptor, During Embryonic Angiogenesis", Cell 87:1171-1180.

Taga, et al. (August 11, 1989) "Interleukin-6 Triggers the Association of its Receptor With a Possible Signal Transducer, gp130", Cell 58:573-581.

Teramura, et al. (January 15, 1992) "Interleukin-11 Enhances Human Megakaryocytopoiesis In Vitro", Blood 79(2):327-331.

Tsuiji, et al. (June 1, 1992) "Enhancement of Murine Hematopoiesis by Synergistic Interactions Between Steel Factor (Ligand for c-kit), Interleukin-11, and Other Early Acting Factors in Culture", Blood 79(11):2855-2860.

Wrighton, et al. (July 26, 1996) "Small Peptides as Potent Mimetics of the Protein Hormone Erythropoietin", Science 273:458-463.

Yang, et al. (1992) "Interleukin-11 and its Receptor", Biofactors 4(1):15-21.

Yonemura, et al. (1992) "Synergistic Effects of Interleukin 3 and Interleukin 11 on Murine Megakaryopoiesis in Serum-Free Culture", Exp. Hematol. 20:1011-1016.

Copies of the above-cited references were previously submitted in parent application Serial No. 08/928,720 filed September 11, 1997, which application is relied upon for an earlier filing date under 35 U.S.C. §120. In accordance with 37 C.F.R. §1.98(d), copies of the cited references are not submitted herewith.

Consideration of this Information Disclosure Statement is respectfully requested, since the information provided herewith may be material to the examination of the present application as defined under 37 C.F.R. §1.56(a).

Inasmuch as this Information Disclosure Statement is being submitted within three months of the filing date and

before the issuance of a first Official Action on the merits,  
no fee or certification is due.

Respectfully submitted,



Frank S. DiGiglio  
Registration No. 31,346

SCULLY, SCOTT, MURPHY & PRESSER  
400 Garden City Plaza  
Garden City, New York 11530  
(516) 742-4343  
PIB:ld